

OWNERS

OPERATING MANUAL

and PARTS LIST

Stock # 8D-384

MODEL 2210-2

22 INCH

SELF-PROPELLED

ROTARY MOWER



0611-478

PRINTED IN U.S.A.

YARD-MAN INC

Jackson Michigan

BUILDERS OF THE ORIGINAL SILENT YARD-MAN LAWN MOWER

RULES FOR SAFE OPERATION

Your rotary is a precision piece of power equipment, engineering skill and experience have been combined to provide the ultimate in safety and efficiency. However, as with any type of power equipment, carelessness or error on the part of the operator can result in injury. Therefore, exercise extreme caution at all times.

1. **KNOW YOUR MACHINE** Read the Owner's Manual carefully - learn how to operate your mower properly.
2. **MAKE SURE THE LAWN IS CLEAR** of sticks, stones, wire and other hazardous items from lawn before mowing. Such items are dangerous to both the mower and individuals in the vicinity of the mower.
3. **ADD FUEL** before starting engine - - - never when engine is hot or running.
4. **ALWAYS STOP ENGINE** and disconnect sparkplug wire before attempting any repairs or adjustments.
5. **START THE ENGINE CAREFULLY** Always stand at side opposite discharge chute. **NEVER** place hands or feet under mower or near discharge chute while engine is running.
6. **DO NOT TILT MOWER** at extreme angle while engine is running. Cut grass on hills and banks sideways.
7. **STOP THE ENGINE** when not cutting grass.
8. **DO NOT ALLOW MINORS** to operate mower unless thoroughly instructed and and properly supervised.
9. **KEEP CHILDREN AND PETS AWAY** from area at all times during mowing operation.
10. **DISENGAGE ALL BLADE AND DRIVE CLUTCHES** before starting units so equipped. Do not attempt to start engine while mower is resting in high grass.

LAWN CARE:

1. It is not advisable to cut off more than 1/3 of the total length of the grass at any one mowing.
2. When mowing thick, lush wet grass, start at outside of lawn and mow in counter-clockwise direction to prevent mower from recutting clippings from previous rounds.
3. When mowing thin or dry grass, start at outside of lawn and mow in clockwise direction to progressively discharge clippings to center of lawn where they can easily be removed.
4. Recommended normal cutting heights for different types of grass:

1½ to 2½ — Med. to Med. High	Marion blue grass
1½ to 2½ — Med. to Med. High	Kentucky blue grass
1 to 2 — Med. - Low to Med.	Fescues
1 to 2 — Med. - Low to Med.	Rye grass
1 to 1½ — Low to Med. Low.	Bermuda
1 to 1½ — Low to Med. Low.	Zoysia
1 to 2 — Med. - Low to Med.	Bent grass

SUGGESTIONS FOR MORE EFFICIENT, AND MAINTENANCE-FREE OPERATION

GENERAL MOWING:

1. Always keep mower blade "Knife" sharp and balanced for maximum cutting efficiency.
2. Always start engine with mower on level surface where blade will not drag on tall grass or other obstructions. After starting, let engine warm up several minutes at slow speed before starting to mow.
3. When mowing under normal conditions, run mower at $\frac{1}{2}$ to $\frac{3}{4}$ throttle for best results.
4. When cutting tall heavy growth, or on rough ground, place mower in highest cut position and gradually reduce to desired cutting height over course of two or three mowings.

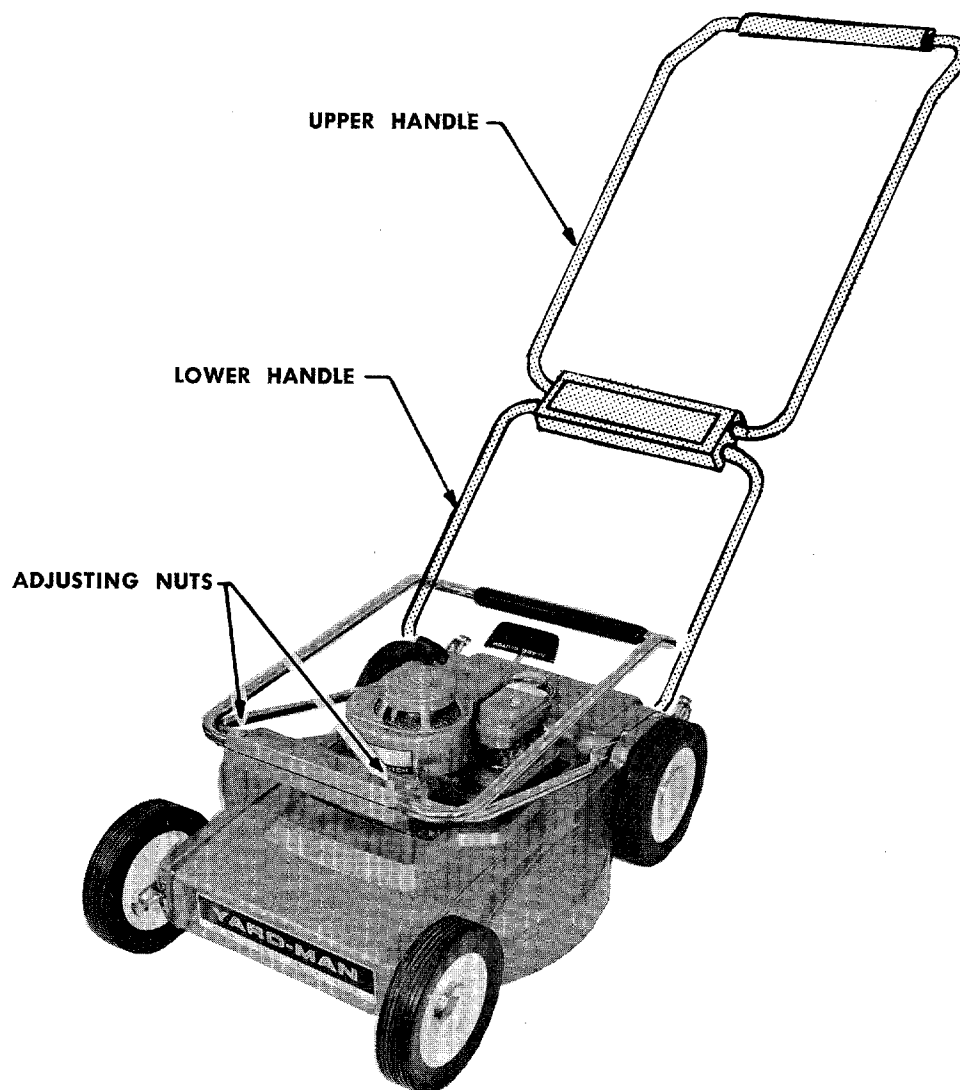
USING GRASS CATCHER:

1. When using grass catcher, operate mower engine at $\frac{3}{4}$ to full throttle.
2. In heavy dense turf, set cutting height in medium to high position.
3. Allow wet grass to dry before attempting to mow with grass catcher attached.
4. Empty catcher bag thoroughly before storage.

MAINTENANCE

Your mower like all machines with moving parts must receive care and maintenance. The following tips, if used, will contribute many trouble-free hours to your mower.

1. Check oil level frequently. When changing oil, make sure dirt and debris cleaned off oil sump before removing oil plug.
2. Keep mower clean, especially the engine well and underside of mower housing.
3. Check all nuts, bolts and screws occasionally to be sure mower is in good operating condition.
4. Should excessive vibration develop, check your blade and crankshaft immediately. Do not operate mower with an unbalanced blade, a damaged blade or a damaged crankshaft.
5. The wheel bearings are pre-lubricated at the factory and should require no further attention until mower is serviced. However, it is advisable to remove the wheels and apply a small amount of light oil to each axle, at least once a season.
6. If you are going to store your mower for any length of time (30 days or longer) it is important that the following steps be taken:
 - a. Drain the gas tank and carburetor. Allow the engine to run out of gas, gasoline left in the engine will leave gum deposits in the carburetor and gas tank.
 - b. Clean engine of all foreign matter.
 - c. Lubricate cylinder by removing the spark plug and pouring one ounce of clean lubricating oil through the spark plug hole into the cylinder, Crank engine slowly to spread oil and replace spark plug.
7. Just as your automobile needs professional mechanical maintenance from time to time, so does your air cooled engine. A yearly tune-up and check by a qualified service center is recommended to avoid breakdowns and unnecessary delays during the cutting season.



SET-UP

Remove mower from carton, by slitting one end of carton and roll out mower. Your mower is completely assembled at the factory. With the handle assembly in shipping or storage position.

To place the handle in operating position, lift the handle assembly until the lower handle is in operating position as shown. The upper handle can now be adjusted to the most comfortable position for mowing. After the position of the upper handle has been selected, tighten the two adjusting nuts on the back of the handle cover.

IMPORTANT — Use a wrench only - **DO NOT** use pliers.

BEFORE STARTING ENGINE

1. Remove oil fill plug and fill crankcase with 1-1/4 pints S.A.E. No. 30 oil.
2. Fill fuel tank with good grade regular, clean, fresh gasoline DO NOT MIX OIL WITH GASOLINE. FOR COMPLETE ENGINE INFORMATION, READ ENGINE INSTRUCTION BOOKLET BEFORE STARTING OR OPERATING.

STARTING ENGINE

1. ALWAYS LOWER SAFETY CLUTCH PEDAL TO DIS-ENGAGE BLADE BEFORE STARTING ENGINE.
2. Move throttle lever to choke position.
3. Pull starter rope with quick, full stroke once. Move throttle lever to fast position and pull starter rope again.
4. When engine starts, move throttle lever to "Idle" position until engine warms up.

BREAK-IN PERIOD

During the first ten hours of operation, check the following items frequently.

OIL LEVEL

SAFETY CLUTCH ADJUSTMENT

(See safety clutch adjustment)

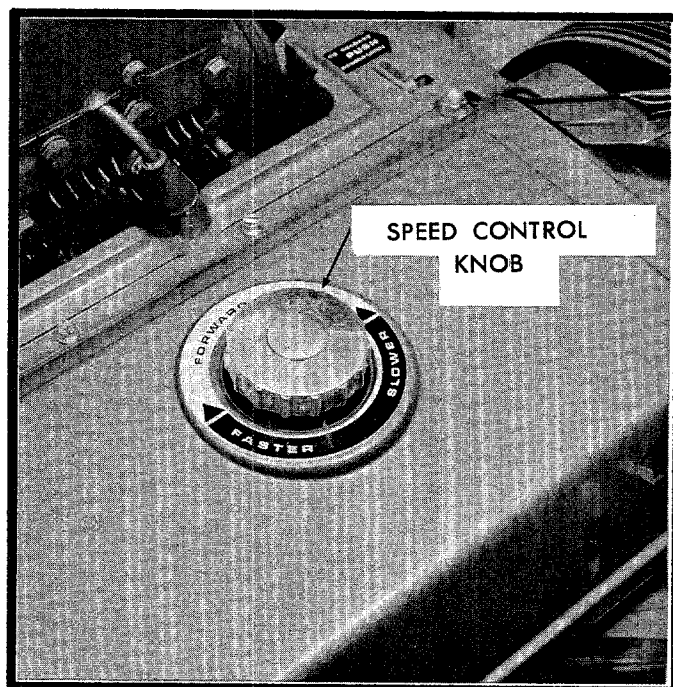
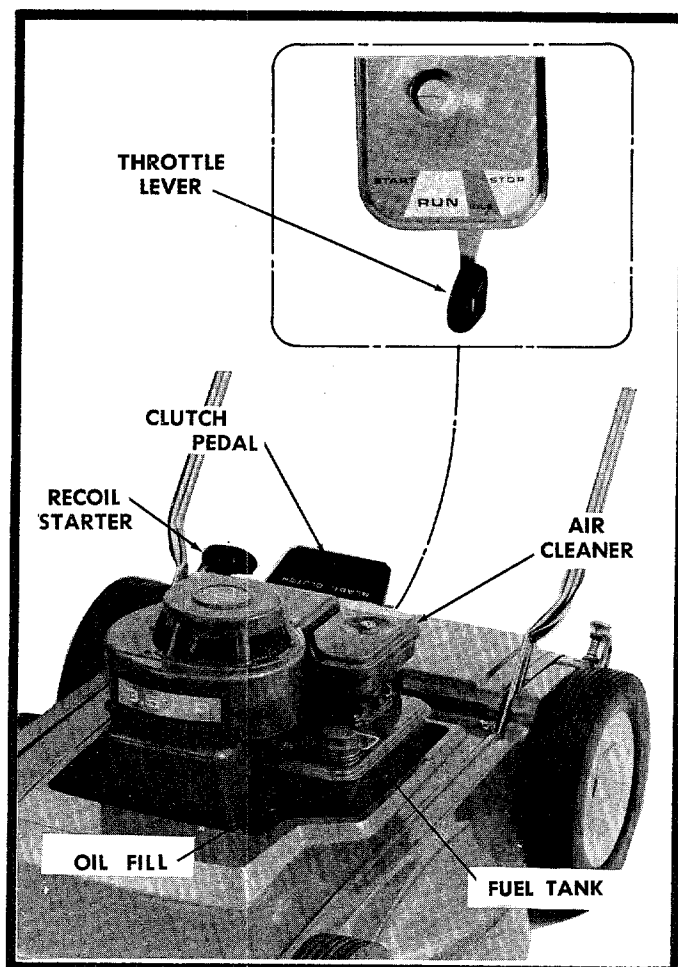
ALL BOLTS, NUTS AND SCREWS FOR TIGHTNESS.

OPERATING INSTRUCTIONS

TO PROPEL MOWER FORWARD, simply raise the handle . . . TO STOP MOWER, lower the handle.

SPEED CONTROL

The forward speed of your mower can be adjusted as desired. To adjust speed, lower the handle to stop mower and turn speed control knob CLOCKWISE for faster speed or COUNTER-CLOCKWISE for slower speed.

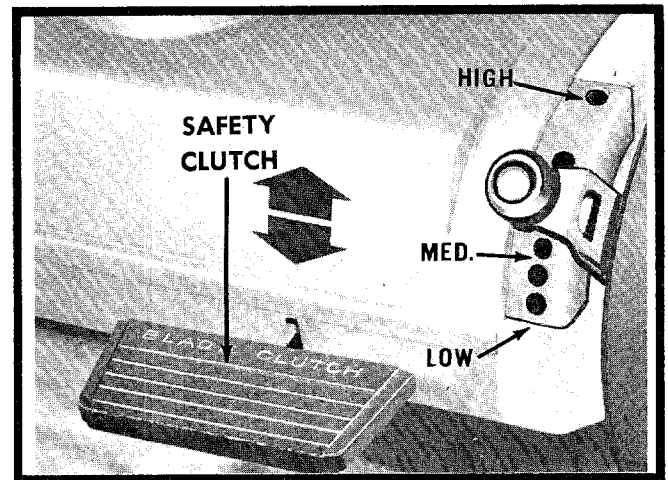
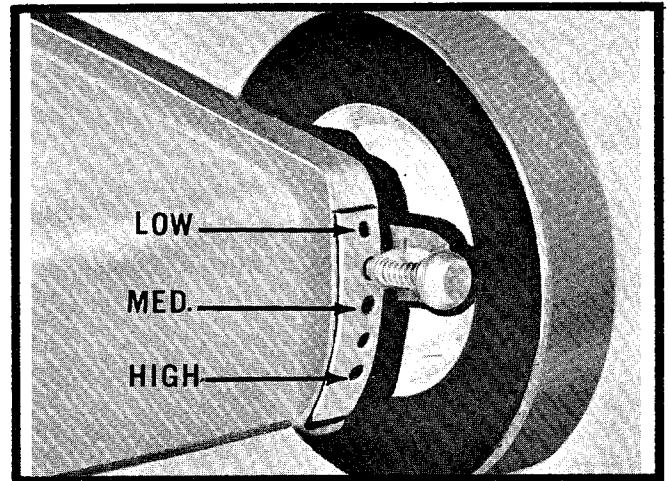


HEIGHT OF CUT ADJUSTMENT

The cutting height of your mower can easily be adjusted from low to high cut. **DO NOT MAKE ADJUSTMENTS WITH ENGINE RUNNING.**

TO ADJUST CUTTING HEIGHT

1. Pull out plungers on front wheel adjust levers and move levers **DOWN** for higher cut or **UP** for lower cut as shown and release plungers. Be sure plungers are firmly seated in adjustment holes.
2. Pull out plungers on rear wheel adjust levers and move levers **UP** for higher cut, or **DOWN** for lower cut as shown and release plungers. Be sure plungers are firmly seated in adjustment holes.



BLADE CLUTCH

The blade clutch provides the utmost safety in mower operation, **ALWAYS DISENGAGE CLUTCH** before starting engine. To engage blade clutch with maximum ease and efficiency follow these simple steps

1. Tilt mower back slightly on rear wheels.
2. Move to right of mower as shown, place left foot under clutch pedal and "flip" pedal upward.
3. The blade clutch engages gradually within 2 or 3 seconds to prevent unnecessary wear. Allow engine to regain normal speed before lowering front wheels and mowing.
4. To disengage clutch, step to right of mower as shown and with left foot, press pedal downward.

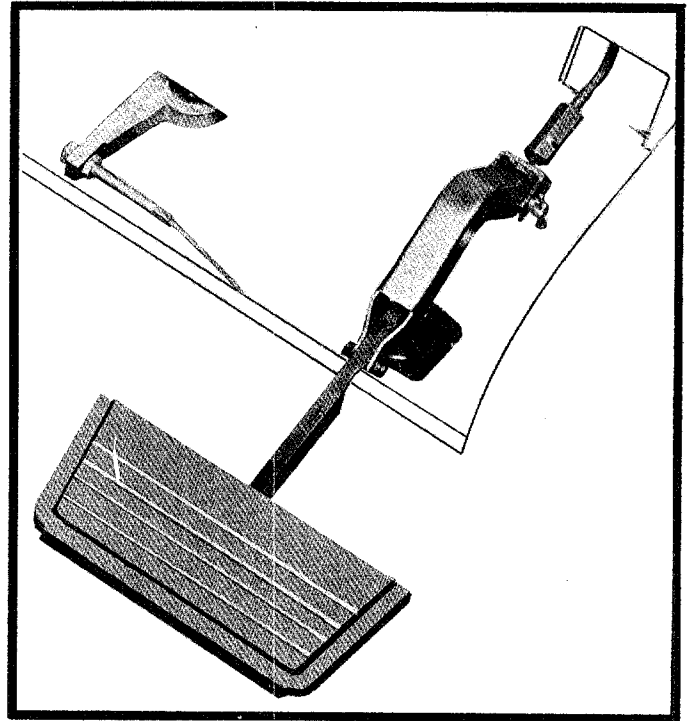
TO ADJUST PROPELLING UNIT

As propelling unit "wears-in" it is possible that handle may have to be lifted higher to engage propelling unit. To reduce the amount of handle travel required, remove cover from propelling unit at rear of mower and turn drive cable adjusting nuts COUNTER-CLOCKWISE 1 or 2 turns. Then tighten the left hand adjusting nut by turning CLOCKWISE to lock adjustment securely.

TO ADJUST BLADE CLUTCH

If blade slips under load, adjust clutch as follows:

Remove rear cover from propelling unit. Loosen clutch adjusting jam nut. Rotate clutch adjusting turnbuckle $\frac{1}{4}$ turn clockwise from operators position. Hold turnbuckle in position and tighten jam nut securely.



LUBRICATION AND MAINTENANCE

All wheel bearings are pre-lubricated at the factory and require no further attention until mower is serviced.

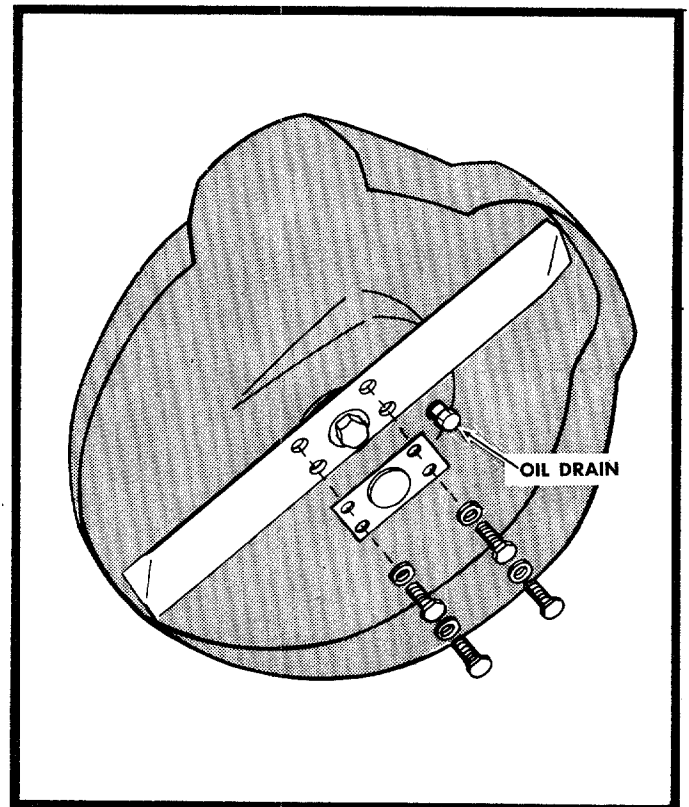
Engine oil should be changed after the first 5 hours of operation and each 20 hours of operation thereafter.

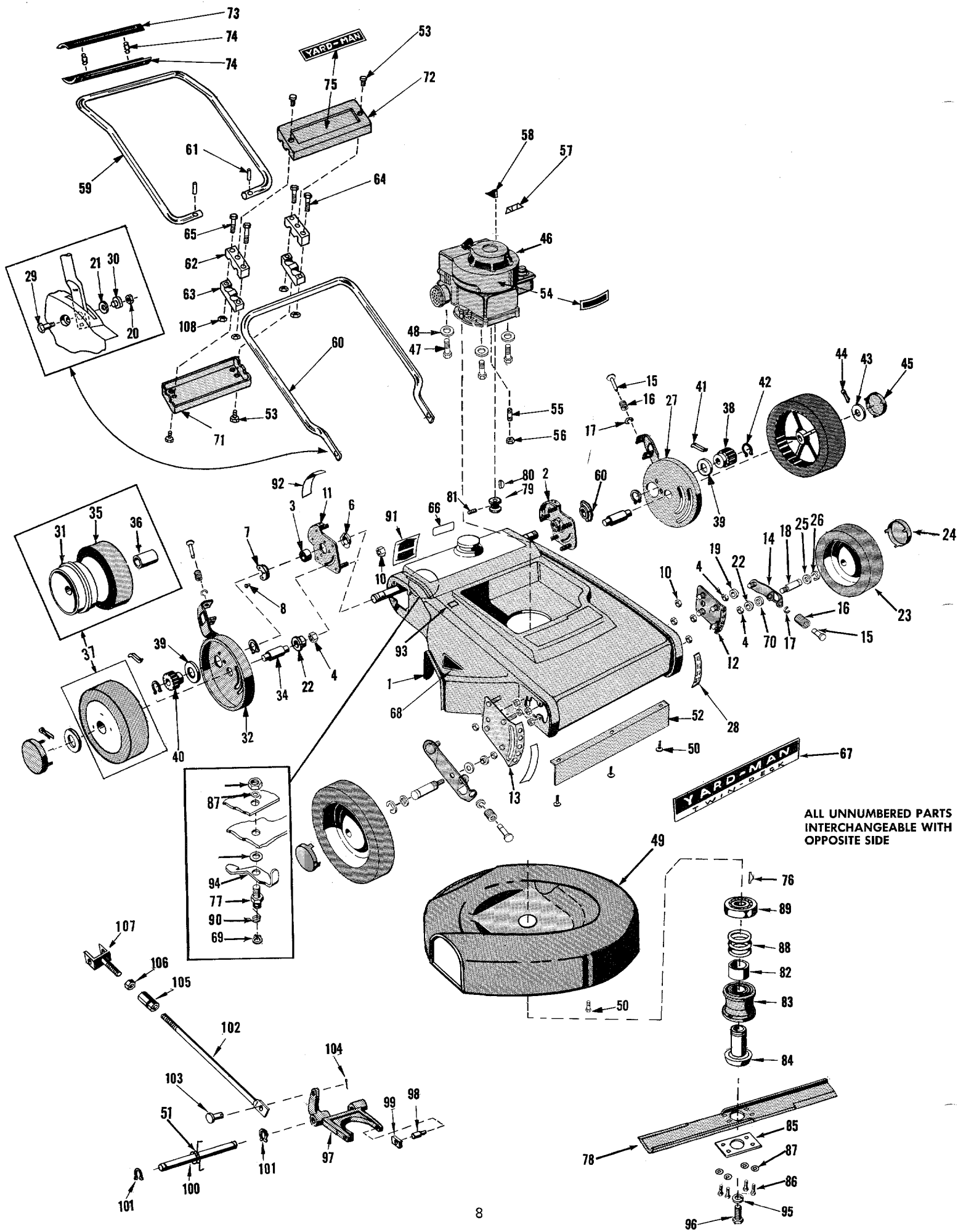
TO CHANGE OIL

Drain oil while engine is warm. Disconnect spark plug wire and secure at least 1" away from spark plug. Block right hand side of mower up about 4" high and set shallow one quart pan beneath oil drain. Remove cap from end of drain pipe and allow oil to drain completely. Replace cap on drain pipe, tighten securely and refill with 1 $\frac{1}{4}$ pints S.A.E. #30 oil.

TO REPLACE BLADE

1. Be sure engine is stopped, disconnect spark plug wire and secure at least 1" away from spark plug.
2. Tip mower with carburetor side up.
3. Remove blade bolt and washers.
4. Remove blade and replace with a new one.
5. Sharpen dull blade maintaining proper balance.



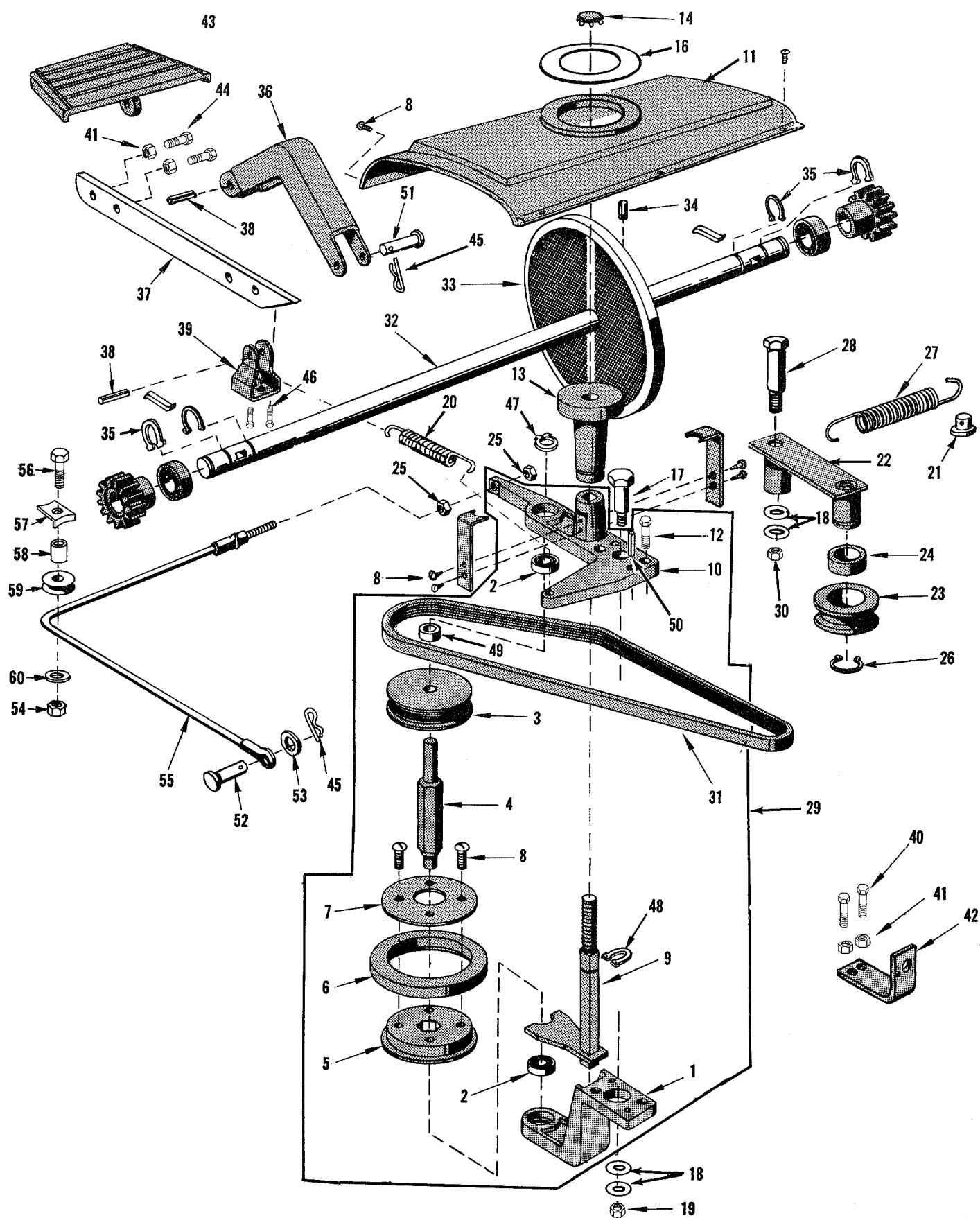


PARTS LIST

MODEL 2210-2

Your Mower is right hand (R.H.) or left hand (L.H.) as you Mow.

REF. NO.	PART NO.	NAME OF PART	REF. NO.	PART NO.	NAME OF PART
1	6601-105-17	Housing—Blade	54	1616-282	Label—Engine
2	2111-69-17	Ass'y—Plate—Wheel Adjust L.H. Rear	55	1745-6	Pipe—Oil Drain
3	1652-13	Bearing—Rear Drive	56	1674-34	Cap—Oil Drain Pipe
4	41-028	*Nut (5/16-18 Hex. Lock)	57	1616-255	Label—Throttle Control
5	1537-3	*Nut (1/4-20 Hex. Lock)	58	2643-28	Knob—Throttle Control
6	1629-50	Retainer—Bearing	59	3712-57-01	Handle—Upper
7	1182-4	Ass'y—Retainer & Spacer R.H.	60	3712-59-01	Handle Lower
8	1530-20	Rivet (3/16 Dia. x 13/32)	61	1548-5	Rollpin—Upper Handle
9	1182-5	Retainer Ass'y—L.H.	62	2609-316	Bracket—Handle Front
10	1539-52	Nut (1/4-20 Hex. Lock)	63	2609-317	Bracket—Handle Rear
11	2111-70-17	Ass'y—Plate—Wheel Adjust R.H. Rear	64	1509-41	*Bolt (5/16-18 x 1 1/4 Hex. Hd.)
12	2111-71-17	Ass'y—Plate—Wheel Adjust L.H. Front	65	1509-50	*Bolt (5/16-18 x 1 3/4 Hex. Hd.)
13	2111-72-17	Ass'y—Plate—Wheel Adjust R.H. Front	66	1605-374	Name Plate
14	1113-30-17	Lever—Wheel Adjust	67	2616-252	Yard-Man Label
15	1547-9	Pin—Adjusting	68	1616-242	Label—Caution
16	1642-18	Spring—Pin Actuating	69	1650-31	Ring—Retaining
17	1650-10	Ring—Retaining	70	1540-84	Washer—Axle to Plate
18	1631-5	Axle—Wheel	71	3622-93-17	Cover—Handle—Rear
19	1657-10	Bushing—Pivot	72	3622-90-17	Cover—Handle—Front
20	1538-6	*Nut (5/16-24 Hex. Hd.)	73	2710-40	Grip—Handle
21	1540-43	*Washer	74	1547-35	Pin—Grip Retaining
22	1657-7	Bushing—Axle to Adj. Plate	75	2616-284	Label—Handle Cover
23	1108-113-41	Ass'y—Wheel & Tire—Front	76	1646-8	Key
24	2674-32	Hub Cap Front	77	1513-60	Bolt—Special
25	39-012	Washer—Axle (1/2 x 1 x .058)	78	3604-40	Blade
26	1650-1	Ring	79	1626-60	Pulley
27	2118-23-17	Ass'y—Cover L.H.	80	1009	Key
28	1616-193	Label—Wheel Adj. Front	81	1508-20	Set Screw
29	1513-68	Bolt—Special	82	1652-62	Bearing
30	1657-38	Bushing	83	2601-106	Clutch Housing
31	1110-27-17	Wheel & Bearing Less Tire	84	1145-12	Ass'y—Sleeve, Ring & Plug
32	2118-22-17	Ass'y—Cover R.H.	85	2622-78	Blade Cover
33	1540-23	Washer	86	1509-94	Bolt (1/4-20 x 9/16 Hex. Hd.)
34	1631-26	Axle—Wheel	87	1018	Lockwasher
35	2619-25	Tire	88	1642-70	Spring
36	1652-52	Bearing	89	1652-65	Bearing—Blade Clutch
37	1108-80-41	Ass'y—Wheel & Tire—Rear	90	1642-75	Spring
38	425	Pinion—L.H.	91	1616-197	Label—Clutch
39	109	Washer—Felt	92	1616-194	Label—Wheel Adj.—Rear
40	428	Pinion—R.H.	93	1616-230	Label—Handle Latch
41	323	Pawl	94	1609-262	Bracket
42	1650-21	Ring—Retaining	95	1543-34	Lockwasher (Special)
43	141	*Washer	96	1509-101	*Bolt (3/8-24 x 1 1/8 Hex. Hd.)
44	142	Cotter Pin—Wheel Retaining	97	2678-17	Yoke
45	2674-33	Hub Cap	98	1645-15	Trunnion
46		Engine Ass'y B & S Model 92992	99	1704-5	Brake Shoe
47	1513-56	Bolt (3/8-16 x 1 1/4 Hex. Hd.)	100	1547-27	Pivot Pin
48	1076	*Washer—Lock	101	1650-8	Retaining Ring
49	2162-8	Ass'y—Grass Baffle	102	2683-51	Clutch Rod
50	1511-31	*Screw (10-32 x 7/16 Thd. Cut.)	103	1545-11	Clevis Pin
51	2642-77	Torsion Spring	104	1547-4	Cotter Pin
52	2602-28-17	Comb—Front (Stamping)	105	1539-45	Nut
53	1117	Screw (10-32 x 3/8 Thd. Cut.)	106	1534-23	*Nut (1/4-28 Hex.)
			107	1132-61	Adjusting Bracket
			108	1538-25	Nut (5/16-18 Hex Lock)
				3104-6-17	Leaf Mulcher (Available as Accessory @ \$1.00 Each)



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REF. NO.	PART NO.	NAME OF PART	REF. NO.	PART NO.	NAME OF PART
1	2678-18	Yoke—Lower	30	1538-13	*Nut—Lock ($\frac{3}{8}$ -16 Hex. Lock)
2	1652-64	Bearing	31	1651-36	Belt—Poly-V ("J" Section 4 Rib)
3	1626-59	Pulley—Poly-V "J" Section— Hex. Drive	32	2632-113	Shaft—Rear Wheel Drive
4	1632-111	Shaft—Ring Drive	33	2675-16	Disc—Friction Drive
5	1644-65	Hub—Friction Ring	34	1548-12	Pin—Disc to Drive Shaft
6	1607-12	Ring—Friction	35	1650-21	Ring—Shaft Retaining
7	1607-10	Ring—Retaining Friction Ring	36	2625-20	Clutch Link
8	1511-31	*Screw—(#10-32 x 7/16)	37	2680-43	Arm
9	1119-40	Assembly Yoke & Shaft	38	1548-20	Roll Pin
10	3678-19	Yoke—Upper	39	2609-303	Bracket
11	3622-72-17	Cover—Rear	40	1509-35	Bolt ($\frac{1}{4}$ -20 x $\frac{5}{8}$ Hex. Hd.)
12	1509-74	*Bolt ($\frac{1}{4}$ -20 x $\frac{7}{8}$ Hex. Hd.)	41	1538-8	Nut ($\frac{1}{4}$ -20 Hex. Lock)
13	1643-30	Knob—Speed Change	42	1609-249	Bracket
14	1649-24	Plug—Button	43	2663-12-40	Pedal—Clutch
15	1606-252	Bracket—Knob Retaining	44	1509-34	*Bolt ($\frac{1}{4}$ -20 x $\frac{3}{4}$ Hex. Hd.)
16	1616-250	Label	45	1547-4	Hairpin
17	1513-50	Bolt—Shoulder Yoke to Housing	46	1016	*Bolt ($\frac{1}{4}$ -20 x $\frac{5}{8}$ Hex. Hd. Thd. Cutting)
18	1540-85	*Washer—($\frac{3}{8}$ x $\frac{3}{4}$ x 3/64)	47	1650-32	Retaining Ring
19	1538-13	*Nut—($\frac{3}{8}$ -16 Hex. Lock)	48	1650-1	Ring Retaining
20	1642-72	Spring Yoke Actuating	49	1540-80	*Washer ($\frac{1}{2}$ x 11/16 x 3/32)
21	1545-11	Pin—Clevis Spring Mounting	50	1548-21	Roll Pin (3/16 x 3/32)
22	1132-63	Assembly Idler Bracket & Spacer	51	41-049	Pin—Clevis ($\frac{1}{4}$ x 1 $\frac{1}{8}$)
23	1626-61	Pulley—Idler Poly-V "J" Section	52	1545-11	Pin—Clevis ($\frac{1}{4}$ x $\frac{1}{2}$)
24	1652-49	Bearing—Idler Tension	53	1540-61	*Washer ($\frac{1}{4}$ x $\frac{1}{2}$ x 1/16)
25	1534-1	Nut—(10-32 Jam)	54	1534-8	Nut (10-32 Hex. Lock)
26	1650-9	Ring—Retaining (Tru-Arc #5133-62)	55	2127-6	Ass'y—Clutch Cable
27	1642-71	Spring—Idler Tension	56	1509-85	*Bolt (10-32 x $\frac{7}{8}$ Hex. Hd.)
28	1513-58	Bolt—Shoulder Idler Pivot ($\frac{3}{8}$ -16 Shoulder)	57	1629-34	Retainer—Cable
29	1129-236	Ass'y Friction Drive	58	1624-46	Spacer
			59	1626-37	Pulley
			60	1097	*Washer
			61	1534-8	*Nut (#10-32 Hex. Lock)

For Illustration—See Page 10

*Standard Hardware Item—May Be Purchased Locally

When you own this -- **YARD-MAN**

22" ROTARY MOWER
SELF-PROPELLED — VARIABLE SPEED

you enjoy these outstanding features

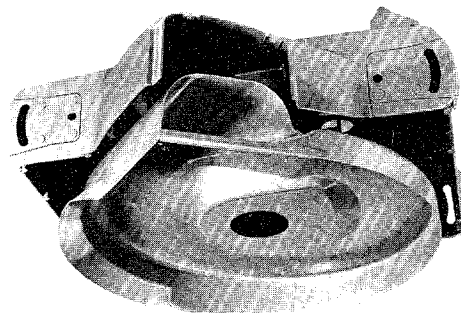


NEW TWIN/DECK SAFETY HOUSING

Light weight Aluminum alloy housing protected with clean flow steel grass tunnel insert — result greater mowing performance.

QUICK SET HEIGHT ADJUSTMENT

For fast selection of Hi, Med., Lo cutting heights



TAPER-CONE SAFETY BLADE CLUTCH

Raise Foot Pedal, starts blade rotation, Lower pedal stops blade quickly. Proven Safety feature.

DIAL YOUR SPEED

Simply dial the mowing speed you want. Make your selection for the mowing condition up to 3 1/4 m.p.h.



WARRANTY

This YARD-MAN unit is guaranteed for one year from date of purchase (90 days when used commercially) against defects in workmanship or material under normal use and service.

We agree to repair or replace without charge to the purchaser, including labor, any part proven to be defective within the warranty period, except the Engine which is the responsibility of the Engine manufacturer.

Parts for this YARD-MAN unit will be available for at least ten years from the date of purchase. This warranty will not apply to a unit which has been subjected to—misuse, negligence, an accident, or to a unit which has been altered in any way.

YARD-MAN INC

JACKSON, MICHIGAN